



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**D3913-7**  
**Job Sheet 166721**



Part No: D3913-7

Job Qty: 2 ea

Part Name: Rib



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/16/17

Job Tracking No:

Due Date: 10/20/17

Created By: Mario Poulin

Type: Stock

Description:

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Due Date | Standard  |         | Workcenter/Supplier   |           |
|-------|--------------------|-------|----------|-----------|---------|-----------------------|-----------|
|       |                    |       |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |
| 90    | Start up Operation | 2 Ea  | 10/19/17 | 0.00      | 0.00    | Start up container    |           |
| 100   | Large Fab          | 2 pcs | 10/20/17 | 0.00      | 0.24    | Large Fab 8           |           |
| 110   | QC                 | 2 pcs | 10/20/17 | 0.00      | 0.00    | QC6                   |           |
| 120   | Packaging          | 2 pcs | 10/20/17 | 0.00      | 0.00    | Packaging3            |           |
| 130   | QC21-SA            | 2 Ea  | 10/20/17 | 0.00      | 0.00    | QC21                  |           |

Part Op 100 - 1- Cut tube as per dwg D3913  
Descriptions: 120 - LOCATION: WA004

### Job Allocations

| Operation             | Component Part   | Required | Inventory | Allocated | Std Qty |
|-----------------------|------------------|----------|-----------|-----------|---------|
| 90-Start up Operation | M304TS0.500W.049 | 3        | 1,050     | 0         | 0       |

### Part Specifications

Specifications could not be found.

Plex 10/16/17 10:18 AM dart.poulin.mario

138 186

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____<br><br>Date : _____<br><br><div style="border: 1px solid black; padding: 2px;">Description V</div> | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br><br>Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Thermoforming <input type="checkbox"/><br><br><b>AGAINST DEPARTMENT/PROCESS</b><br><br>Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Composite <input type="checkbox"/><br><br>Water Jet <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Supplier <input type="checkbox"/><br><br>Engineering <input type="checkbox"/><br>Quality <input type="checkbox"/><br>Other <input type="checkbox"/> | <div style="text-align: center; font-size: 2em; font-weight: bold; margin-bottom: 10px;">W I P</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>PART NO: D3913-7</b></p> <p><b>Revision:</b></p> <p><b>Operation: Start up Operation</b></p> <p><b>Quantity: 2</b></p> <p><b>Next Op: 100 Large Fab</b></p> <p><b>Rib</b></p> </div> <div style="width: 35%; text-align: center;"> <div style="border: 2px solid black; padding: 10px; font-size: 1.5em; font-weight: bold;">OCT17</div> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="width: 40%;"> <p style="font-size: 1.2em; font-weight: bold;">SERIAL NO: S000746</p> </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p><b>Job #: 166721</b></p> <p><b>Mfg Date: 10/17/17</b></p> </div> <div style="width: 25%; text-align: right;"> <p>Large <input type="checkbox"/></p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;"> <p><b>Root Cause</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Environment</td><td><input type="checkbox"/></td><td>No Re-verical</td><td><input type="checkbox"/></td></tr> <tr><td>Design</td><td><input type="checkbox"/></td><td>Operator</td><td><input type="checkbox"/></td></tr> <tr><td>Doc/Data</td><td><input type="checkbox"/></td><td>Offset/Setup</td><td><input type="checkbox"/></td></tr> <tr><td>Equip/Tooling</td><td><input type="checkbox"/></td><td>Supplier</td><td><input type="checkbox"/></td></tr> <tr><td>Handling/Pre</td><td><input type="checkbox"/></td><td>Training</td><td><input type="checkbox"/></td></tr> <tr><td>Material</td><td><input type="checkbox"/></td><td>Use for Testing</td><td><input type="checkbox"/></td></tr> <tr><td>Internal Transport</td><td><input type="checkbox"/></td><td>Poor Information</td><td><input type="checkbox"/></td></tr> <tr><td>Tribal Knowledge</td><td><input type="checkbox"/></td><td>Rushing</td><td><input type="checkbox"/></td></tr> <tr><td>LOA</td><td><input type="checkbox"/></td><td>Product Improvement</td><td><input type="checkbox"/></td></tr> <tr><td>Substation</td><td><input type="checkbox"/></td><td>Process Improvement</td><td><input type="checkbox"/></td></tr> <tr><td>Past Expiry Date</td><td><input type="checkbox"/></td><td>Manufacturing Process</td><td><input type="checkbox"/></td></tr> <tr><td>Misidentified</td><td><input type="checkbox"/></td><td>Past Due</td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 35%;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td><input type="checkbox"/> Cracks</td><td><input type="checkbox"/> Broken/Damage/Defect</td><td><input type="checkbox"/> Weld</td></tr> <tr><td><input type="checkbox"/> Crimp/Kink/Ripple/Wave</td><td><input type="checkbox"/> Inspection Incomplete/Unqualified</td><td><input type="checkbox"/> Wrong Stock Pulled</td></tr> <tr><td><input type="checkbox"/> Cuffs</td><td><input type="checkbox"/> Contamination</td><td><input type="checkbox"/> Out of Sequence</td></tr> <tr><td><input type="checkbox"/> Crushing</td><td><input type="checkbox"/> Countersink</td><td><input type="checkbox"/> Off-set</td></tr> <tr><td><input type="checkbox"/> Heat Treat</td><td><input type="checkbox"/> Cut Too Short</td><td><input type="checkbox"/> Mislabeled</td></tr> <tr><td><input type="checkbox"/> Wave/Twist in Tube</td><td><input type="checkbox"/> Instructions Incomplete/Unclear</td><td><input type="checkbox"/> Fit/Function</td></tr> <tr><td><input type="checkbox"/> Marks/Chatter</td><td><input type="checkbox"/> Drill Holes</td><td><input type="checkbox"/> Misaligned/off center</td></tr> </table> </div> <div style="width: 30%;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td><input type="checkbox"/> Positioned Wrong</td></tr> <tr><td><input type="checkbox"/> Outside Dimensions</td></tr> <tr><td><input type="checkbox"/> Over/Under tolerance</td></tr> <tr><td><input type="checkbox"/> Part Incorrect</td></tr> <tr><td><input type="checkbox"/> Part Lost/Missing</td></tr> <tr><td><input type="checkbox"/> Part Moved</td></tr> <tr><td><input type="checkbox"/> Drawing</td></tr> <tr><td><input type="checkbox"/> Finish</td></tr> <tr><td><input type="checkbox"/> Misread</td></tr> <tr><td><input type="checkbox"/> Turning Sequence</td></tr> </table> </div> </div> <div style="margin-top: 10px;"> <p>OTHER : _____</p> </div> | Environment              | <input type="checkbox"/> | No Re-verical | <input type="checkbox"/> | Design | <input type="checkbox"/> | Operator | <input type="checkbox"/> | Doc/Data | <input type="checkbox"/> | Offset/Setup | <input type="checkbox"/> | Equip/Tooling | <input type="checkbox"/> | Supplier | <input type="checkbox"/> | Handling/Pre | <input type="checkbox"/> | Training | <input type="checkbox"/> | Material | <input type="checkbox"/> | Use for Testing | <input type="checkbox"/> | Internal Transport | <input type="checkbox"/> | Poor Information | <input type="checkbox"/> | Tribal Knowledge | <input type="checkbox"/> | Rushing | <input type="checkbox"/> | LOA | <input type="checkbox"/> | Product Improvement | <input type="checkbox"/> | Substation | <input type="checkbox"/> | Process Improvement | <input type="checkbox"/> | Past Expiry Date | <input type="checkbox"/> | Manufacturing Process | <input type="checkbox"/> | Misidentified | <input type="checkbox"/> | Past Due | <input type="checkbox"/> | <input type="checkbox"/> Cracks | <input type="checkbox"/> Broken/Damage/Defect | <input type="checkbox"/> Weld | <input type="checkbox"/> Crimp/Kink/Ripple/Wave | <input type="checkbox"/> Inspection Incomplete/Unqualified | <input type="checkbox"/> Wrong Stock Pulled | <input type="checkbox"/> Cuffs | <input type="checkbox"/> Contamination | <input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Crushing | <input type="checkbox"/> Countersink | <input type="checkbox"/> Off-set | <input type="checkbox"/> Heat Treat | <input type="checkbox"/> Cut Too Short | <input type="checkbox"/> Mislabeled | <input type="checkbox"/> Wave/Twist in Tube | <input type="checkbox"/> Instructions Incomplete/Unclear | <input type="checkbox"/> Fit/Function | <input type="checkbox"/> Marks/Chatter | <input type="checkbox"/> Drill Holes | <input type="checkbox"/> Misaligned/off center | <input type="checkbox"/> Positioned Wrong | <input type="checkbox"/> Outside Dimensions | <input type="checkbox"/> Over/Under tolerance | <input type="checkbox"/> Part Incorrect | <input type="checkbox"/> Part Lost/Missing | <input type="checkbox"/> Part Moved | <input type="checkbox"/> Drawing | <input type="checkbox"/> Finish | <input type="checkbox"/> Misread | <input type="checkbox"/> Turning Sequence |
| Environment                                                                                                                                                     | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No Re-verical                                                                                     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| Doc/Data                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Offset/Setup                                                                                      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| Equip/Tooling                                                                                                                                                   | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Supplier                                                                                          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| Handling/Pre                                                                                                                                                    | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Training                                                                                          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| Material                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Use for Testing                                                                                   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| Internal Transport                                                                                                                                              | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Poor Information                                                                                  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| Tribal Knowledge                                                                                                                                                | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rushing                                                                                           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| LOA                                                                                                                                                             | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Product Improvement                                                                               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| Substation                                                                                                                                                      | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Process Improvement                                                                               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| Past Expiry Date                                                                                                                                                | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Manufacturing Process                                                                             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| <input type="checkbox"/> Cracks                                                                                                                                 | <input type="checkbox"/> Broken/Damage/Defect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> Weld                                                                     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| <input type="checkbox"/> Crimp/Kink/Ripple/Wave                                                                                                                 | <input type="checkbox"/> Inspection Incomplete/Unqualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> Wrong Stock Pulled                                                       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| <input type="checkbox"/> Cuffs                                                                                                                                  | <input type="checkbox"/> Contamination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Out of Sequence                                                          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| <input type="checkbox"/> Crushing                                                                                                                               | <input type="checkbox"/> Countersink                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> Off-set                                                                  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| <input type="checkbox"/> Heat Treat                                                                                                                             | <input type="checkbox"/> Cut Too Short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Mislabeled                                                               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| <input type="checkbox"/> Wave/Twist in Tube                                                                                                                     | <input type="checkbox"/> Instructions Incomplete/Unclear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> Fit/Function                                                             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| <input type="checkbox"/> Marks/Chatter                                                                                                                          | <input type="checkbox"/> Drill Holes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> Misaligned/off center                                                    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| <input type="checkbox"/> Positioned Wrong                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Outside Dimensions                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Over/Under tolerance                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Part Incorrect                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Part Lost/Missing                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Part Moved                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Drawing                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Finish                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Misread                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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| <input type="checkbox"/> Turning Sequence                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                   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